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Transparent conductive electrodes for electrochromic devices: A review

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#	Paper	IF	Citations
288	Pulsed Laser Deposition and Crystallization of Transparent Conducting Thin Films. 1995 , 397, 217		
287	Optical Indices of Tin-Doped Indium Oxide and Tungsten Oxide Electrochromic Coatings. 1995 , 403, 551		11
286	Determination of fractal dimension by cyclic I-V studies: The Laplace-transform method. <i>Physical Review B</i> , 1995 , 52, 14192-14197	3.3	52
285	Preparation and characterization of Mo- and Sb: Mo-doped SnO ₂ sol-gel-derived films for counter-electrode applications in electrochromic devices. 1995 , 5, 617-624		33
284	References. 1995 , 527-616		1
283	Reactive pulsed laser deposition and laser induced crystallization of SnO ₂ transparent conducting thin films. <i>Applied Physics A: Materials Science and Processing</i> , 1996 , 63, 347-351	2.6	30
282	Optical properties of tin-doped indium oxide determined by spectroscopic ellipsometry. 1996 , 79, 1722-1729		78
281	Photoreduction and oxidation of as-deposited microcrystalline indium oxide. 1996 , 79, 9349-9352		65
280	Reversible Changes in the Electronic and Optical Properties of Micro-Crystalline In ₂ O _{3-x} : A Comparison with Amorphous In ₂ O _{3-x} . 1996 , 426, 525		
279	The Role of oxygen diffusion in photoinduced changes of the electronic and optical properties in amorphous indium oxide. 1996 , 25, 1772-1777		15
278	Towards the smart window: progress in electrochromics. 1997 , 218, 273-279		85
277	Scanning tunneling spectroscopy of indium tin oxide film in air. <i>Applied Surface Science</i> , 1997 , 115, 399-401		6
276	Sol-gel prepared In ₂ O ₃ thin films. <i>Thin Solid Films</i> , 1997 , 307, 288-293	2.2	128
275	Recent advances in electrochromics for smart windows applications. 1998 , 63, 199-216		247
274	High speed conversion of infrared images with a planar gas discharge system. 1999 , 85, 3960-3965		36
273	Partially Disordered Inorganic Materials. 1999 , 24, 31-41		5
272	Investigation on ozone-sensitive In ₂ O ₃ thin films. <i>Thin Solid Films</i> , 1999 , 354, 222-226	2.2	77

271	Electrochromic coatings—applications and manufacturing issues. <i>Thin Solid Films</i> , 1999 , 345, 312-318	2.2	56
270	Synthesis and structure of indium oxide nanoparticles dispersed within pores of mesoporous silica. 1999 , 34, 845-849		50
269	Photoluminescence of indium oxide nanoparticles dispersed within pores of mesoporous silica. <i>Applied Physics Letters</i> , 1999 , 75, 495-497	3.4	175
268	Accurate and rapid determination of thickness, n and k spectra, and resistivity of indium oxide films. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1999 , 17, 1843-1847	2.9	23
267	Dielectric Characterization of Thin Films Consisting of Tin Doped Indium Oxide Nanoparticles. 1999 , 581, 491		1
266	Dependence of the photoreduction and oxidation behavior of indium oxide films on substrate temperature and film thickness. 2001 , 90, 5382-5387		95
265	Electrochromism and electrochromic materials for displays. 2001 , 105-159		2
264	Laser printing of active optical microstructures. <i>Applied Physics Letters</i> , 2001 , 78, 868-870	3.4	27
263	Dip coated ITO thin-films through sol-gel process using metal salts. <i>Thin Solid Films</i> , 2001 , 389, 207-212	2.2	77
262	Electrical and optical properties of sputter deposited tin doped indium oxide thin films with silver additive. <i>Thin Solid Films</i> , 2001 , 392, 305-310	2.2	22
261	Ozone Sensing Properties of Polycrystalline Indium Oxide Films at Room Temperature. 2001 , 185, 27-32		38
260	The influence of deposition parameters on room temperature ozone sensing properties of InOx films. 2001 , 80, 155-161		89
259	Structural and electrical properties of In ₂ O ₃ /SeO ₂ thin films for gas-sensing applications. <i>Journal Physics D: Applied Physics</i> , 2001 , 34, 2097-2102	3	26
258	Properties of CdO Thin Films Produced by Chemical Vapor Deposition. 2001 , 4, C43		40
257	Electrochemical Properties of Nanocrystalline Cadmium Stannate Films. 2001 , 148, E341		18
256	Dopant-dependent reflectivity and refractive index of microcrystalline HxWO ₃ and LixWO ₃ bronze thin films. <i>Applied Optics</i> , 2002 , 41, 6708-24	1.7	11
255	Shadowgraphic imaging of the sub-ps laser-induced forward transfer process. <i>Applied Physics Letters</i> , 2002 , 81, 1594-1596	3.4	32
254	Manufacture of specific structure of aluminum-doped zinc oxide films by patterning the substrate surface. <i>Applied Physics Letters</i> , 2002 , 80, 3090-3092	3.4	88

253	Laser microprinting of InOx active optical structures and time resolved imaging of the transfer process. <i>Applied Surface Science</i> , 2002 , 197-198, 868-872	6.7	19
252	Transparent and conducting ITO films: new developments and applications. <i>Thin Solid Films</i> , 2002 , 411, 1-5	2.2	810
251	A route to Ag-catalyzed growth of the semiconducting In2O3 nanowires. 2003 , 371, 311-316		81
250	Growth behaviours and properties of the ZnO:Al films prepared by reactive mid-frequency magnetron sputtering. 2003 , 249, 461-469		35
249	Comparison of the ZnO:Al films deposited in static and dynamic modes by reactive mid-frequency magnetron sputtering. 2003 , 253, 117-128		35
248	Transparent and conductive ZnO:Al films deposited by large area reactive magnetron sputtering. <i>Thin Solid Films</i> , 2003 , 442, 179-183	2.2	58
247	Studies on ZnO:Al thin films deposited by in-line reactive mid-frequency magnetron sputtering. <i>Applied Surface Science</i> , 2003 , 207, 341-350	6.7	87
246	Visual and energy management of electrochromic windows in Mediterranean climate. 2003 , 38, 479-492		47
245	Room-temperature ultraviolet-emitting In2O3 nanowires. <i>Applied Physics Letters</i> , 2003 , 83, 761-763	3.4	153
244	Growing and welding branched-structure semiconducting In2O3 nanowires. <i>Journal Physics D: Applied Physics</i> , 2003 , 36, 2046-2049	3	4
243	Excimer laser inscribed submicron period relief gratings in InOx films and overlaid waveguides. 2004 , 95, 1634-1641		10
242	Near surface characteristics of highly sensitive metal oxide thin films. 2004 , 828, 60		
241	Optical characterization of aluminum-doped zinc oxide films by advanced dispersion theories. <i>Thin Solid Films</i> , 2004 , 455-456, 201-206	2.2	54
240	Synthesis of metastable hexagonal In2O3 nanocrystals by a precursor-dehydration route under ambient pressure. 2004 , 177, 1230-1234		41
239	The synthesis of In, In2O3 nanowires and In2O3 nanoparticles with shape-controlled. 2004 , 264, 363-368		61
238	Texture analysis of Al-doped ZnO thin films prepared by in-line reactive MF magnetron sputtering. <i>Applied Surface Science</i> , 2004 , 226, 378-386	6.7	35
237	Ultra sensitive low temperature metal oxide gas sensors.		1
236	Photon sensitive high index metal oxide films. 2004 , 16, S3757-S3768		8

235	Direct synthesis of single crystalline In ₂ O ₃ nanopyramids and nanocolumns and their photoluminescence properties. <i>Applied Physics Letters</i> , 2004 , 85, 3851-3853	3.4	141
234	Reversible electrochemical coloration of indium tin oxide (ITO) in aqueous solutions. 2005 , 72, 217-223		15
233	Construction and photoluminescence of In ₂ O ₃ nanotube array by CVD-template method. 2005 , 276, 471-477		69
232	In ₂ O ₃ nanorod formation induced by substrate structure. 2005 , 285, 400-407		51
231	Preparation and characterization of high-performance direct current magnetron sputtered ZnO:Al films. <i>Thin Solid Films</i> , 2005 , 491, 54-60	2.2	66
230	Single-source approach to the synthesis of In ₂ S ₃ and In ₂ O ₃ crystallites and their optical properties. 2005 , 407, 482-486		46
229	Large-area In ₂ O ₃ ordered pore arrays and their photoluminescence properties. <i>Applied Physics A: Materials Science and Processing</i> , 2005 , 81, 269-273	2.6	20
228	Carrier concentration and shallow electron states in In-doped hydrothermally grown ZnO. <i>Superlattices and Microstructures</i> , 2005 , 38, 364-368	2.8	5
227	In Situ X-ray Diffraction Study of the Phase Transition of Nanocrystalline In(OH) ₃ to In ₂ O ₃ . 2005 , 41, 609-612		19
226	Synthesis of In ₂ O ₃ nanoparticles by thermal decomposition of a citrate gel precursor. 2005 , 7, 203-208		41
225	PREPARATION AND CHARACTERIZATION OF In ₂ O ₃ THIN FILMS FOR OPTOELECTRONIC APPLICATIONS. <i>Surface Review and Letters</i> , 2005 , 12, 515-518	1.1	31
224	A model study of light control systems operating with Electrochromic Windows. 2005 , 37, 3-19		14
223	Phase selective growth and properties of rhombohedral and cubic indium oxide. <i>Applied Physics Letters</i> , 2006 , 89, 011904	3.4	72
222	Ambient pressure syntheses of size-controlled corundum-type In ₂ O ₃ nanocubes. 2006 , 128, 9326-7		173
221	In ₂ O ₃ hollow microspheres: synthesis from designed In(OH) ₃ precursors and applications in gas sensors and photocatalysis. <i>Langmuir</i> , 2006 , 22, 9380-5	4	267
220	Cvd-Transition Metal Oxide Films As Functional Layers in Smart Windows and X-Ray Mirrors. 2006 , 341-349		
219	Electron scattering mechanisms in indium tin-oxide thin films prepared at the various process conditions. <i>Applied Surface Science</i> , 2006 , 252, 3428-3435	6.7	25
218	Synthesis, photoluminescence and field emission properties of In ₂ O ₃ nanowires. 2006 , 422, 424-428		29

217	Low temperature indium oxide gas sensors. 2006 , 118, 135-141		71
216	Microstructure dependence of ZnO:Al films on the deposition conditions and the surface morphology of silicon substrate. 2006 , 289, 464-471		16
215	Novel properties of AZO film sputtered in Ar+H ₂ ambient at high temperature. 2006 , 80, 981-985		24
214	Industrially-styled room-temperature pulsed laser deposition of ZnO:Al films. <i>Thin Solid Films</i> , 2006 , 494, 302-306	2.2	12
213	Transparent conductive ZnO:Al thin films deposited on flexible substrates prepared by direct current magnetron sputtering. <i>Thin Solid Films</i> , 2006 , 497, 20-23	2.2	97
212	Tin(II) aminoalkoxides and heterobimetallic derivatives: the structures of Sn ₆ (O) ₄ (dmae) ₄ , Sn ₆ (O) ₄ (OEt) ₄ and [Sn(dmae) ₂ Cd(acac) ₂] ₂ . 2006 , 20, 687-695		21
211	Tuning of electrical properties of In _x O _y thin films grown by MOCVD for different applications. 2006 , 37, 945-946		
210	Characterization of Indium Oxide Nanoparticles Prepared by Soft Chemistry Route. 2006 , 45, 248-253		1
209	SYNTHESIS OF In ₂ O ₃ NANOWIRES ENHANCED BY ANODIC ALUMINA MEMBRANE. 2006 , 05, 479-485		1
208	Observation of strong red photoluminescence with broadband in indium oxynitride nanoparticles. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2006 , 24, 1332-1335	2.9	14
207	Tunable synthesis of In ₂ O ₃ nanowires, nanoarrows and nanorods. 2007 , 18, 175601		36
206	Synthesis of In ₂ O ₃ nanocrystal chains and annealing effect on their optical properties. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2007 , 25, 1038-1041	2.9	7
205	Role of oxygen desorption during vacuum annealing in the improvement of electrical properties of aluminum doped zinc oxide films synthesized by sol gel method. 2007 , 102, 043106		30
204	Controlled Growth and Sensing Properties of In ₂ O ₃ Nanowires. <i>Crystal Growth and Design</i> , 2007 , 7, 2500-2504	3.5	117
203	Molecular and Supramolecular Surface Modification of Nanocrystalline TiO ₂ Films: Charge-Separating and Charge-Injecting Devices. 2007 , 345-393		38
202	Fabrication of Indium Oxide on Indium Foil through a Solvothermal Process. 2007 , 37, 413-416		
201	Fabrication of Indium Sulfide Hollow Spheres and Their Conversion to Indium Oxide Hollow Spheres Consisting of Multipore Nanoflakes. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 12890-12897	3.8	47
200	Computational study on the mechanisms and energetics of trimethylindium reactions with H ₂ O and H ₂ S. 2007 , 111, 6481-8		8

199	In ₂ O ₃ Nanocrystals with a Tunable Size in the Range of 400 nm: One-Step Synthesis, Characterization, and Optical Properties. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 18039-18043	3.8	43
198	In ₂ O ₃ Nanotowers: Controlled Synthesis and Mechanism Analysis. <i>Crystal Growth and Design</i> , 2007 , 7, 940-943	3.5	68
197	Controllable Synthesis of In ₂ O ₃ Nanocubes, Truncated Nanocubes, and Symmetric Multipods. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 16267-16271	3.8	46
196	Fundamentals of device construction. 417-432		
195	Transparent conductors as solar energy materials: A panoramic review. 2007 , 91, 1529-1598		1225
194	Driving force for the WO ₃ (0 0 1) surface relaxation. 2007 , 601, 1481-1488		33
193	Transparent conducting indium oxide thin films grown by low-temperature metal organic chemical vapor deposition. <i>Thin Solid Films</i> , 2007 , 515, 2921-2925	2.2	26
192	Cathodoluminescence emission study of nanocrystalline indium oxide films deposited by spray pyrolysis. <i>Thin Solid Films</i> , 2007 , 515, 8065-8071	2.2	10
191	Performance of a single-phase hybrid and nanocomposite polyelectrolyte in classical electrochromic devices. 2007 , 53, 1635-1642		5
190	Tuning of electrical and structural properties of indium oxide films grown by metal organic chemical vapor deposition. <i>Thin Solid Films</i> , 2007 , 515, 6611-6614	2.2	32
189	Density functional theory study on electronic structure of N-doped In ₂ O ₃ . 2008 , 866, 75-78		7
188	Competitive growth of In ₂ O ₃ nanorods with rectangular cross sections. <i>Applied Physics A: Materials Science and Processing</i> , 2008 , 92, 401-405	2.6	10
187	Heat-activated structural evolution of sol-gel-derived ZnO thin films. 2008 , 310, 816-823		36
186	Tunable light emissions from thermally evaporated In ₂ O ₃ nanostructures grown at different growth temperatures. 2008 , 310, 2264-2267		24
185	Structural and photoluminescence properties of single-crystalline In ₂ O ₃ films grown by metal organic vapor deposition. 2008 , 310, 4054-4057		29
184	Thermally evaporated In ₂ O ₃ nanostructures with oxygen flow-dependent optical emissions. 2008 , 147, 276-279		3
183	Slurry photodegradation of 2,4-dichlorophenoxyacetic acid: A comparative study of impregnated and sol-gel In ₂ O ₃ /TiO ₂ mixed oxide catalysts. 2008 , 193, 266-270		57
182	Control synthesis of octahedral In ₂ O ₃ crystals, belts, and nanowires. <i>Superlattices and Microstructures</i> , 2008 , 43, 93-100	2.8	9

181	On the formation of nanocrystalline bimodal mesoporous In ₂ O ₃ prepared by surfactant-assisted templating sol-gel process. 2008 , 109, 84-90		10
180	Thermal Decomposition of Indium(III) Hydroxide Prepared by the Microwave-Assisted Hydrothermal Method. 2008 , 91, 4052-4058		50
179	Template synthesis, organic gas-sensing and optical properties of hollow and porous In ₂ O ₃ nanospheres. 2008 , 19, 345704		98
178	In Situ Growth of Self-Assembled and Single In ₂ O ₃ Nanosheets on the Surface of Indium Grains. <i>Crystal Growth and Design</i> , 2008 , 8, 3154-3159	3.5	28
177	Biomolecule-Assisted Synthesis of In(OH) ₃ Hollow Spherical Nanostructures Constructed with Well-Aligned Nanocubes and Their Conversion into CdIn ₂ O ₃ . <i>Journal of Physical Chemistry C</i> , 2008 , 112, 18798-18803	3.8	39
176	Quantum confinement effect of ZnO nanocrystallites embedded in In ₂ O ₃ films. 2008 , 104, 084906		2
175	Rh ₂ O ₃ (II)-type structures in Ga ₂ O ₃ and In ₂ O ₃ under high pressure: Experiment and theory. <i>Physical Review B</i> , 2008 , 77,	3.3	57
174	Role of oxygen vacancies in the high-temperature thermopower of indium oxide and indium tin oxide films. <i>Semiconductor Science and Technology</i> , 2009 , 24, 025028	1.8	7
173	Novel Nanostructured Photoelectrodes - Electrodeposition of Metal Oxides onto Transparent Conducting Oxide Nanofibers. 2009 , 1211, 1		
172	Preparation of In ₂ O ₃ octahedrons by heating InCl ₃ aqueous solution on the Si substrate. 2009 , 44, 1148-1153		17
171	Corundum-Type In ₂ O ₃ Urchin-Like Nanostructures: Synthesis Derived from Orthorhombic InOOH and Application in Photocatalysis. 2009 , 2009, 903-909		40
170	A highly sensitive and fast-responding sensor based on electrospun In ₂ O ₃ nanofibers. 2009 , 142, 61-65		139
169	Study of microstructured indium oxide by cathodoluminescence and XPS microscopy. <i>Superlattices and Microstructures</i> , 2009 , 45, 429-434	2.8	7
168	Spectroscopic ellipsometry study of In ₂ O ₃ thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2009 , 20, 71-75	2.1	6
167	Synthesis and characterization of spherical and narrow size distribution indium oxide nanoparticles. <i>Applied Surface Science</i> , 2009 , 255, 3779-3783	6.7	47
166	Preparation and Optical Properties of Novel Transparent Al-Doped-ZnO/Epoxy Nanocomposites. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 9406-9411	3.8	40
165	In(OH) ₃ and In ₂ O ₃ Micro/Nanostructures: Controllable NaOAc-Assisted Microemulsion Synthesis and Raman Properties. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 19493-19499	3.8	45
164	First principles study of the photo-oxidation of water on tungsten trioxide (WO ₃). 2009 , 130, 114701		85

163	Site-Selective Deposition of In ₂ O ₃ Using a Self-Assembled Monolayer. <i>Crystal Growth and Design</i> , 2009 , 9, 555-561	3.5	29
162	Ultrafast time-resolved spectroscopy of In ₂ O ₃ nanowires. 2009 , 106, 084307		29
161	First-principles investigation of the electron work function for the (001) surface of indium oxide In ₂ O ₃ and indium tin oxide (ITO) as a function of the surface oxidation level. 2010 , 5, 185-190		7
160	Side-by-Side In(OH)(₃) and In(₂)O(₃) Nanotubes: Synthesis and Optical Properties. 2009 , 5, 383-388		18
159	Effects of Al content on the properties of ZnO:Al films prepared by Al ₂ O ₃ and ZnO co-sputtering. <i>Journal of Materials Science: Materials in Electronics</i> , 2010 , 21, 1030-1035	2.1	15
158	Preparation of mesoporous In ₂ O ₃ nanofibers by electrospinning and their application as a CO gas sensor. 2010 , 149, 28-33		171
157	Effects of atomic oxygen treatment on structures, morphologies and electrical properties of ZnO:Al films. <i>Applied Surface Science</i> , 2010 , 256, 4527-4532	6.7	18
156	One-dimensional tungsten oxide growth through a grain-by-grain buildup process. 2010 , 485, 64-68		11
155	Continuous production of flexible carbon nanotube-based transparent conductive films. 2010 , 11, 045004		14
154	Hybrid polymer electrolytes for electrochemical devices. 2010 , 583-602		3
153	One-Step Synthesis of Nearly Monodisperse, Variable-Shaped In ₂ O ₃ Nanocrystals in Long Chain Alcohol Solutions. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 4875-4886	3.8	38
152	Rationalizing oligomerization in dimethylindium(III) chalcogenolates (Me ₂ InER') (E = O, S, Se): a structural and computational study. 2010 , 39, 3833-41		21
151	Preparation of Pt/SnO ₂ Core/Shell Nanowires with Enhanced Ethanol Gas- and Photon-Sensing Properties. 2010 , 157, K206		11
150	Some special phenomena observed from in-line sputtered aluminum doped zinc oxide films. 2010 ,		0
149	Electrospun antimony doped tin oxide (ATO) nanofibers as a versatile conducting matrix. 2011 , 47, 12119-21		12
148	A novel precursor system and its application to produce tin doped indium oxide. 2011 , 40, 6028-32		20
147	Fully organic ITO replacement through acid doping of double-walled carbon nanotube thin film assemblies. <i>RSC Advances</i> , 2011 , 1, 662	3.7	35
146	Study of thin-film silicon solar cell back reflectors and potential of detached reflectors. 2011 , 10, 106-110		12

145	Oxidation of ion beam synthesised embedded indium nanoclusters in silica. 2011 , 53, 30403		1
144	Impurity Centers in Oxides Investigated by μ Perturbed Angular Correlation Spectroscopy and Ab Initio Calculations. 2011 , 311, 62-104		11
143	XPS and AFM studies of surface chemistry and morphology of In ₂ O ₃ ultrathin films deposited by rheotaxial growth and vacuum oxidation. <i>Thin Solid Films</i> , 2011 , 520, 927-931	2.2	18
142	Controlled synthesis and photocatalytic properties of porous hollow In ₂ O ₃ microcubes with different sizes. 2011 , 130, 921-931		19
141	A comparative study of the effects of In ₂ O ₃ and SnO ₂ modification on the photocatalytic activity and characteristics of TiO ₂ . 2011 , 175, 49-55		19
140	Green synthesis of metal nanoparticles using plants. 2011 , 13, 2638		1907
139	Electrochromic Materials. 2011 , 41, 241-268		422
138	CuI-Si heterojunction solar cells with carbon nanotube films as flexible top-contact electrodes. 2011 , 4, 979-986		18
137	Polarization and incidence angle-dependent transmittance of transparent nickel electrodes with various thicknesses. 2011 , 33, 859-864		2
136	Novel In ₂ O ₃ nanostructures fabricated by controlling the kinetics factor for field emission display. 2011 , 43, 1502-1508		14
135	Preparation and gas-sensing performance of In ₂ O ₃ porous nanoplatelets. 2011 , 155, 752-758		54
134	Nanostructured thin films of indium oxide nanocrystals confined in alumina matrixes. <i>Thin Solid Films</i> , 2011 , 519, 2141-2145	2.2	3
133	Microwave hydrogen plasma annealing to improve electrical and optical properties of aluminum doped zinc oxide films. 2011 ,		
132	Growth mechanism and electronic properties of epitaxial In ₂ O ₃ films on sapphire. 2011 , 110, 093712		20
131	Controllable synthesis and field emission enhancement of Al ₂ O ₃ coated In ₂ O ₃ core-shell nanostructures. <i>Journal Physics D: Applied Physics</i> , 2011 , 44, 105301	3	9
130	Metal-diffusion-induced ITO nanoparticles at the organic/ITO interface. <i>Journal Physics D: Applied Physics</i> , 2012 , 45, 165104	3	3
129	Populations of metastable and resonant argon atoms in radio frequency magnetron plasmas used for deposition of indium-zinc-oxide films. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2012 , 30, 021301	2.9	13
128	High-pressure lattice dynamical study of bulk and nanocrystalline In ₂ O ₃ . 2012 , 112, 123511		49

127	Aligned coaxial tungsten oxide-carbon nanotube sheet: a flexible and gradient electrochromic film. 2012 , 48, 8252-4		38
126	Ga-doped ZnO films deposited with varying sputtering powers and substrate temperatures by pulsed DC magnetron sputtering and their property improvement potentials. <i>Applied Surface Science</i> , 2012 , 258, 6537-6544	6.7	25
125	The effect of Si substrate preparation on surface morphology and surface composition of In ₂ O ₃ ultrathin films deposited by rheotaxial growth and vacuum oxidation. <i>Applied Surface Science</i> , 2012 , 258, 8419-8424	6.7	2
124	Electronic transport and optical properties of indium oxide thin films prepared by thermal oxidation. 2012 , 14, 1543-1549		4
123	Nanostructured Metal Oxides: Low Temperature Synthesis and Biomimetic Approaches. 2012 , 82, 83-97		2
122	Efficient Decomposition of Organic Pollutants Over In ₂ O ₃ /TiO ₂ Nanocomposite Photocatalyst Under Visible Light Irradiation. 2012 , 23, 247-257		25
121	ZnCl ₂ salt as both molten medium and mineralizer in ambient pressure synthesis of metastable corundum-type In ₂ O ₃ nanocrystals. 2012 , 221, 164-167		1
120	UV-shielding transparent PMMA/In ₂ O ₃ nanocomposite films based on In ₂ O ₃ nanoparticles. <i>RSC Advances</i> , 2013 , 3, 20913	3.7	48
119	Synthesis and aggregation of In ₂ O ₃ nanoparticles: impact of process parameters on stoichiometry changes and optical properties. <i>Langmuir</i> , 2013 , 29, 6077-83	4	16
118	First Combined Electron Paramagnetic Resonance and FT-IR Spectroscopic Evidence for Reversible O ₂ Adsorption on In ₂ O ₃ Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 20722-20729	3.8	23
117	Preparation of a silicon heterojunction photodetector from colloidal indium oxide nanoparticles. 2013 , 51, 1-4		5
116	Harnessing thermal expansion mismatch to form hollow nanoparticles. 2013 , 9, 56-60		8
115	Template-free synthesis of novel In ₂ O ₃ nanostructures and their application to gas sensors. 2013 , 185, 32-38		32
114	One-step synthesis and gas sensing characteristics of urchin-like In ₂ O ₃ . 2013 , 186, 61-66		28
113	Influence of Annealing Atmosphere on the Characteristics of Sol-Gel Derived ITO Thin Films. 2013 , 684, 279-284		1
112	Characterization of reactively sputtered molybdenum oxide films for solar cell application. 2013 , 114, 013503		66
111	Synthesis and Characterization of Nanocrystalline In ₂ O ₃ and Its Efficacy as a Catalyst for the One Pot Synthesis of Amidoalkyl Naphthols. 2013 , 43, 471-478		1
110	The annealing investigation on morphology and photoluminescence properties of In ₂ O ₃ -D nanostructures in resistive evaporation mechanism. 2014 , 65, 20404		9

109	In ₂ O ₃ -ZnO heterostructure development in electrical and photoluminescence properties of In ₂ O ₃ 1-D nanostructures. 2014 , 28, 1450101		7
108	Improvement in n-ZnO/p-Si diode properties using ZnO/AZO homogeneous metal contact. 2014 , 53, 08NJ03		4
107	Effects of substrate and ambient gas on epitaxial growth indium oxide thin films. <i>Applied Surface Science</i> , 2014 , 307, 455-460	6.7	14
106	A universal route for synthesizing nearly monodisperse MxOy (M=Zn, In, Co, Fe) nanocrystals. <i>Materials Science in Semiconductor Processing</i> , 2014 , 24, 132-137	4.3	
105	Cetyltrimethylammonium bromide- and ethylene glycol-assisted preparation of mono-dispersed indium oxide nanoparticles using hydrothermal method. 2014 , 68,		6
104	Influence of thermal treatments on phase composition and acidity of mesoporous tungsten oxide. 2014 , 194, 15-23		5
103	Effects of pH on the microstructures and optical properties of Sn ₃ O ₄ crystals prepared by hydrothermal method. <i>Ceramics International</i> , 2014 , 40, 11381-11385	5.1	11
102	In ₂ O ₃ nanoplates: preparation, characterization and gas sensing properties. <i>RSC Advances</i> , 2014 , 4, 48313.7		44
101	Preparation and characterization of single crystalline In ₂ O ₃ films deposited on MgO (110) substrates by MOCVD. <i>Ceramics International</i> , 2014 , 40, 4203-4206	5.1	6
100	Thickness and oxygen partial pressure dependence on optical band gap of indium oxide by reactive evaporation method. 2015 , 73, 012027		1
99	Effects of H ₂ plasma treatment on the electrical properties of titanium-doped indium oxide films prepared by polymer-assisted deposition. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2015 , 33, 041402	2.9	4
98	XPS and AFM studies of surface chemistry and morphology of In ₂ O ₃ ultrathin films deposited by rheotaxial growth and vacuum oxidation after air exposure. 2015 , 50, 884-890		5
97	Synthesis and High-Pressure Study of Corundum-Type In ₂ O ₃ . <i>Journal of Physical Chemistry C</i> , 2015 , 119, 29076-29087	3.8	16
96	Facile synthesis and gas-sensing performance of Sr- or Fe-doped In ₂ O ₃ hollow sub-microspheres. <i>RSC Advances</i> , 2015 , 5, 64228-64234	3.7	18
95	Monodispersed In ₂ O ₃ mesoporous nanospheres: One-step facile synthesis and the improved gas-sensing performance. 2015 , 220, 977-985		44
94	Morphology-inspired low-temperature liquefied petroleum gas sensors of indium oxide. 2015 , 107, 54-58		9
93	The continuous and persistent periodical growth induced by substrate accommodation in In ₂ O ₃ nanostructure chains and their photoluminescence properties. <i>Applied Physics A: Materials Science and Processing</i> , 2015 , 118, 997-1007	2.6	13
92	Synthesis, characterization and gas sensing properties of porous flower-like indium oxide nanostructures. <i>RSC Advances</i> , 2015 , 5, 30297-30302	3.7	16

91	Morphology and defect evolution in vapor-grown In ₂ O ₃ :Sn micro-/nanoparticles. <i>Materials Science in Semiconductor Processing</i> , 2015 , 40, 943-953	4.3	11
90	The indium oxide micro and nanopyramids: Morphology materializing and H ₂ S sensing properties. 2015 , 29, 1550144		3
89	Silver versus white sheet as a back reflector for microcrystalline silicon solar cells deposited on LPCVD-ZnO electrodes of various textures. 2015 , 23, 1182-1189		16
88	Optical characterization, absorption and upconversion luminescence in Er ³⁺ and Er ³⁺ /Yb ³⁺ -doped In ₂ O ₃ phosphor. <i>Journal of Luminescence</i> , 2016 , 176, 347-355	3.8	16
87	Band gap and electronic structure of cubic, rhombohedral, and orthorhombic In ₂ O ₃ polymorphs: Experiment and theory. <i>Physical Review B</i> , 2016 , 93,	3.3	39
86	Visible-transparent and UV/IR-opaque colloidal dispersions of Ga-doped zinc oxide nanoparticles. <i>New Journal of Chemistry</i> , 2016 , 40, 7204-7209	3.6	5
85	Indium Oxide Thin Films by Atomic Layer Deposition Using Trimethylindium and Ozone. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 9874-9883	3.8	34
84	Sonochemical synthesis of Ti ₂ O ₃ nanostructures: supported on multi-walled carbon nanotube modified electrode for monitoring of copper ions. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 3675-3682	2.1	7
83	Electronic Reducibility Scales with Intergranular Interface Area in Consolidated In ₂ O ₃ Nanoparticles Powders. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 4581-4588	3.8	3
82	Spectroelectrochemical Properties of Ultra-Thin Indium Tin Oxide Films under Electric Potential Modulation. <i>Thin Solid Films</i> , 2016 , 603, 230-237	2.2	9
81	Synthesis of SnO ₂ /In ₂ O ₃ hetero-nanotubes by coaxial-electrospinning method for enhanced formaldehyde response. <i>New Journal of Chemistry</i> , 2016 , 40, 1756-1764	3.6	20
80	Synthesis of nano-sized indium oxide (In ₂ O ₃) powder by a polymer solution route. <i>Ceramics International</i> , 2016 , 42, 3762-3768	5.1	4
79	Semi-transparent solar cells. <i>Journal Physics D: Applied Physics</i> , 2017 , 50, 093001	3	43
78	Significant Increase in Band Gap and Emission Efficiency of InO Quantum Dots by Size-Tuning around 1 nm in Supermicroporous Silicas. <i>Langmuir</i> , 2017 , 33, 3014-3017	4	14
77	Gold-modified indium tin oxide as a transparent window in optoelectronic diagnostics of electrochemically active biofilms. <i>Biosensors and Bioelectronics</i> , 2017 , 94, 74-80	11.8	20
76	THE LASER-ASSISTED FIELD EFFECT TRANSISTOR GAS SENSOR BASED ON MORPHOLOGICAL ZINC-EXCITED TIN-DOPED In ₂ O ₃ NANOWIRES. <i>Surface Review and Letters</i> , 2017 , 24, 1750113	1.1	0
75	Electrical and optical properties of hydrogen plasma treated molybdenum-doped indium oxide films synthesized by polymer-assisted deposition method. <i>Ceramics International</i> , 2017 , 43, S506-S510	5.1	4
74	Versatile synthesis of fluorine-doped tin (IV) oxide one-dimensional nanostructured thin films. <i>Thin Solid Films</i> , 2017 , 621, 229-239	2.2	4

73	Synthesis, Characterization, and Application of One-Dimensional (1D) Nanostructures. 2017 , 147-219		
72	Effect of Ag nanostructures and annealing process on the localized surface plasmon resonance properties of Ag-based AZO films. <i>Applied Physics A: Materials Science and Processing</i> , 2017 , 123, 1	2.6	4
71	Fabricating Necklace-, Tower-, and Rod-Shaped In ₂ O ₃ Nanostructures by Controlling Saturation Kinetics of Catalyst Droplets in a Vapor-Liquid-Solid Process. <i>Crystal Growth and Design</i> , 2017 , 17, 4596-4602	3.5	4
70	Enhanced thermoelectric properties of In ₂ O ₃ (ZnO) ₅ intrinsic superlattice ceramics by optimizing the sintering process. <i>RSC Advances</i> , 2017 , 7, 49883-49889	3.7	9
69	All-inorganic solid-state electrochromic devices: a review. <i>Journal of Solid State Electrochemistry</i> , 2017 , 21, 337-347	2.6	62
68	Tunable High-TC ferromagnetism in Sn ⁴⁺ -doped (InFe _{0.04}) ₂ O ₃ nanoparticles: a vital role of electron doping. <i>Materials Technology</i> , 2017 , 32, 327-333	2.1	6
67	Absorption of Ultrashort Electromagnetic Pulses by ITO Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 28581-28586	3.8	3
66	Effect of Capping Agent on the Morphology, Size and Optical Properties of In ₂ O ₃ Nanoparticles. <i>Materials Research</i> , 2017 , 20, 256-263	1.5	14
65	Effect of Electron Beam Irradiation on Structural and Optical Properties of Cu-Doped In ₂ O ₃ Films Prepared by RF Magnetron Sputtering. <i>Jom</i> , 2018 , 70, 739-746	2.1	4
64	Recent advances in 1D micro- and nanoscale indium oxide structures. <i>Journal of Alloys and Compounds</i> , 2018 , 752, 359-375	5.7	15
63	Materials for Transparent Electrodes: From Metal Oxides to Organic Alternatives. <i>Advanced Electronic Materials</i> , 2018 , 4, 1700412	6.4	64
62	Effect of post-annealing on the properties of thermally evaporated molybdenum oxide films: Interdependence of work function and oxygen to molybdenum ratio. <i>Materials Science in Semiconductor Processing</i> , 2018 , 75, 166-172	4.3	26
61	Flexible and Semitransparent Organic Solar Cells. <i>Advanced Energy Materials</i> , 2018 , 8, 1701791	21.8	374
60	Recent Studies of Semitransparent Solar Cells. <i>Coatings</i> , 2018 , 8, 329	2.9	27
59	Controlling the electrical conductivity of ternary wurtzite-type and metastable β -AgGaO ₂ by impurity doping. <i>AIP Advances</i> , 2018 , 8, 085203	1.5	1
58	Optical constants and electrochromic characteristics of MWO bronzes. <i>Applied Optics</i> , 2018 , 57, 5720-5732	3.7	10
57	Influence of oxygen pressure on the fs laser-induced oxidation of molybdenum thin films. <i>Optical Materials Express</i> , 2018 , 8, 581	2.6	6
56	Favourable band edge alignment and increased visible light absorption in β -MoO ₃ / β -MoO ₃ oxide heterojunction for enhanced photoelectrochemical performance. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 15773-15783	6.7	12

55	Platinum doping effect on InO MSM IR photodetectors. <i>Superlattices and Microstructures</i> , 2018 , 122, 650-660	2.8	3
54	Smart Window Based on Electric Unfolding of Microwrinkled TiO ₂ Nanometric Films. <i>ACS Photonics</i> , 2018 , 5, 3255-3262	6.3	27
53	Tunable Near-Infrared Localized Surface Plasmon Resonance of F, In-Codoped CdO Nanocrystals. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 39921-39929	9.5	12
52	Rapid Processing of In-Doped ZnO by Spray Pyrolysis from Environment-Friendly Precursor Solutions. <i>Coatings</i> , 2019 , 9, 245	2.9	4
51	Transparent Conductive Dielectric-Metal-Dielectric Structures for Electrochromic Applications Fabricated by High-Power Impulse Magnetron Sputtering. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 14871-14881	9.5	30
50	Thermomechanical properties of amorphous metallic tungsten-oxygen and tungsten-oxide coatings. <i>Materials and Design</i> , 2019 , 165, 107565	8.1	11
49	Design and fabrication of a transparent, tough and UVC screening material as a substitute for glass substrate in display devices. <i>Journal of Materials Science</i> , 2019 , 54, 6684-6698	4.3	10
48	Structure and electrochromism of two-dimensional octahedral molecular sieve h'-WO. <i>Nature Communications</i> , 2019 , 10, 327	17.4	48
47	Electrochromism: a fascinating branch of electrochemistry. <i>ChemTexts</i> , 2019 , 5, 1	2.2	21
46	All-metal oxide transparent photodetector for broad responses. <i>Sensors and Actuators A: Physical</i> , 2020 , 303, 111835	3.9	12
45	High performance flexible transparent conductive electrode based on ZnO/AgOx/ZnO multilayer. <i>Thin Solid Films</i> , 2020 , 696, 137759	2.2	8
44	Energy distributions of secondary ions for the Ar ion beam sputtering of indium tin oxide. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2020 , 38, 064002	1.3	3
43	Conductive adhesive electrode exhibiting superior mechanical and electrical properties for attachable electrochromic devices. <i>Organic Electronics</i> , 2020 , 87, 105970	3.5	2
42	Chronopotentiometric Deposition of Nanocobalt Oxide for Electrochromic Auxiliary Active Electrode Application. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2020 , 217, 2000173	1.6	7
41	Ammonia assisted low temperature growth of In ₂ O ₃ (111) epitaxial films on c-sapphire substrates by chemical vapor deposition technique. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2020 , 38, 033414	2.9	3
40	Electro-optic properties of ITO at a tilted quarter-wave-plate. <i>Optics Communications</i> , 2020 , 472, 125896		0
39	Effect of Flash Light Sintering on Silver Nanowire Electrode Networks. <i>Materials</i> , 2020 , 13,	3.5	5
38	Nano-cobalt oxide/viologen hybrid solid state device: Electrochromism beyond chemical cell. <i>Applied Physics Letters</i> , 2020 , 116, 141901	3.4	23

37	Electrochemical nanofibers. 2021 , 335-369		
36	Strain-induced variation of bandgap in (111) In ₂ O ₃ epitaxial films grown on c-sapphire substrates by a pulsed laser deposition technique. <i>Semiconductor Science and Technology</i> , 2021 , 36, 035011	1.8	1
35	Net-Patterned Fluorine-Doped Tin Oxide to Accelerate the Electrochromic and Photocatalytic Interface Reactions. <i>Catalysts</i> , 2021 , 11, 249	4	1
34	An Influence of Oxygen Flow Rate on Structural, Optical and Tribological Properties of Molybdenum Oxide Thin Films. <i>Advanced Engineering Forum</i> , 39, 43-53	0.2	
33	Properties of indium tin oxide thin films grown by Ar ion beam sputter deposition. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2021 , 39, 033406	2.9	3
32	Bipolar Electrode-based Electrochromic Devices for Analytical Applications Review . <i>Electroanalysis</i> ,	3	3
31	Introduction of a Novel Figure of Merit for the Assessment of Transparent Conductive Electrodes in Photovoltaics: Exact and Approximate Form. <i>Advanced Energy Materials</i> , 2021 , 11, 2100875	21.8	7
30	Effective surface modification method of silver nanowires with alkaline solutions for enhancing electrical property of silver transparent electrode. <i>Applied Surface Science</i> , 2021 , 554, 149511	6.7	1
29	Hybrid transparent conductive electrode structure for solar cell application. <i>Renewable Energy</i> , 2021 , 180, 178-185	8.1	0
28	Layered CuI: a path to 2D p-type transparent conducting materials. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 11284-11291	7.1	1
27	Electropolymerization An Item-Centered View on Ruthenopolymers . 2021 , 187-274		
26	Sol-Gel Coatings for Electrochromic Devices. 2018 , 2745-2792		1
25	Optical devices based on conductive polymers. 2001 , 53-98		16
24	Transparent conductive coatings for flat panel displays. 1999 , 338-342		2
23	Low-temperature wet chemical synthesis strategy of In ₂ O ₃ for selective detection of NO ₂ down to ppb levels. <i>Journal of Alloys and Compounds</i> , 2018 , 735, 2102-2110	5.7	18
22	Deep vs shallow nature of oxygen vacancies and consequent n-type carrier concentrations in transparent conducting oxides. <i>Physical Review Materials</i> , 2018 , 2,	3.2	46
21	Large optical nonlinearity of ITO/Ag/ITO sandwiches based on Z-scan measurement. <i>Optics Letters</i> , 2019 , 44, 2490-2493	3	11
20	Electrical properties of nonstoichiometric In ₂ O ₃ -x thin films. <i>Lithuanian Journal of Physics</i> , 2011 , 51, 47-51.1		2

- 19 Synthesis and Characterisation of In₂O₃ Na-noparticles from *Astragalus gummifer*. *Advances in Nanoparticles*, **2016**, 05, 114-122^{1.4} 10
- 18 Low-temperature atomic layer deposition of indium oxide thin films using trimethylindium and oxygen plasma. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2021**, 39, 062406⁹ 0
- 17 Nanophase Metal Oxide Materials for Electrochromic Displays. **2003**, 1380-1414
- 16 Design of Nanostructured Materials. **2005**,
- 15 Thickness and Oxygen Partial Pressure Dependence on Optical Band Gap of Indium Oxide by Reactive Evaporation Method. *Journal of Applied Sciences*, **2012**, 12, 1718-1721 0.3
- 14 Transparent Metal Mesh Conductors. **2015**, 1-10
- 13 Transparent Metal Mesh Conductors. **2016**, 1205-1214
- 12 Sol-Gel Coatings for Electrochromic Devices. **2016**, 1-49
- 11 Biosynthesis of Metal Nanoparticles and Graphene. 241-295
- 10 TEM investigation of sputtered indium oxide layers on silicon substrate for gas sensors. **2008**, 345-346
- 9 Fully spray-coated electrochromic devices containing octa-viologen substituted polyhedral oligomeric silsesquioxane. *Thin Solid Films*, **2022**, 743, 139067 2.2 1
- 8 Anisotropic optical properties of indium tin oxide thin films prepared by ion beam sputtering under oblique angle deposition. *Applied Surface Science*, **2022**, 152945 6.7 2
- 7 Thin film transistor arrays for biological sensing systems. *Flexible and Printed Electronics*, 3.1 1
- 6 Lithium confinement and dynamics in hexagonal and monoclinic tungsten oxide nano-crystals: A ⁷Li solid state NMR study. 0
- 5 Dielectric function of CuBrxI1-x alloy thin films. **2022**, 6, 2
- 4 Transparent Metal Mesh Conductors. **2022**, 1-10 0
- 3 Molecular Sn(ii) precursors for room temperature deposition of crystalline elemental tin. 0
- 2 Graphene transparent antennas. **2023**, 2, 23-30 0

1 Optical properties of AgxCu_{1-x}I alloy thin films. **2023**, 13, 035117

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